

What is claimed is:

1. An electric motor comprising:

a stator core having slots;

coils arranged along the slots of said stator core to form coil edges projecting from ends of said stator core; and

insulation sheets for insulating proximal portions of the coil edges, each of said insulation sheets having a folding portion for folding one or more coils of the same phase and inserting portions inserted into the slot or slots of said stator core to be fixed by drawing distal ends thereof from inside of said stator core.

2. An electric motor comprising:

a stator core having slots;

coils arranged along the slots of said stator core forming coil edges projecting from ends of said stator core; and

insulation sheets for insulating proximal portions of the coil edges, each of said insulation sheet having a folding portion for folding one or more coils of the same phase and two inserting portions extending from the folding portion so that respective distal ends are positioned away from a centerline of the folding portion,

wherein the coils of the same phase are folded by the folding portions of said insulation sheets, and the inserting portions are inserted into the slots of said stator core by drawing the distal ends thereof from inside of said stator core to thereby insulate the coils of the same phase from coils of different phases.

3. An electric motor according to claim 1, wherein an interconnecting portion between the folding portion and the insertion portions of said insulation sheet has a reduced width to form a constricted portion.

4. An insulation method for an electric motor including a stator core having slots and coils arranged along the slots of the stator core to form coil edges projecting from ends of said stator core, said method comprising:

arranging an insulation sheet between coil edges of different phases, said insulating sheet having a folding portion for folding one or more coils of the same phase and inserting portions to be inserted into the slot or slots of the stator core;

folding the one or more coils of the same phase by the folding portion and inserting the inserting portions into the slot or slots of the stator core; and

drawing distal ends of the inserting portions from inside of the stator core to fix the inserting portions so that the coils of the same phase are insulated by the insulation sheet from the coils of different phases.

5. An insulation method for an electric motor according to claim 4, further comprising cutting the distal ends of the inserting portions after the drawing thereof.

6. An insulation method for an electric motor including a stator core having slots and coils arranged along the slots of the stator core to form coil edges projecting from ends of said stator core, said method comprising:

arranging an insulation sheet between coil edges of different phases, said insulating sheet having a folding portion for folding one or more coils of the same phase, and two inserting portions to be inserted into the slot or slots of the stator core and extending from the folding portion so that respective distal ends are positioned away from a centerline of the folding portion;

folding the one or more coils of the same phase by the folding portion and inserting the two inserting portions into the slot or slots of the stator core; and

drawing the distal ends of the inserting portions from inside of the stator core to fix the inserting portions so that the coils of the same phase are insulated by the insulation sheet from the coils of different phases.

7. An insulation method for an electric motor according to claim 6, further comprising cutting the distal ends of the inserting portions after the drawing thereof.